AMENDMENT TO THE CLAIMS

Claims 1-14 (Cancelled)

- 15.(New) A filter cartridge comprising a fiber membrane material obtained by introducing ion exchange groups and/or chelate groups into an organic polymer fiber membrane base material having an average fiber diameter of 0.1 μ m to 20 μ m and an average pore size of 1 μ m to 20 μ m.
- 16.(New) The filter cartridge of claim 15, wherein a polymer side chain having ion exchange groups and/or chelate groups is introduced on the main chain of the organic polymer fiber membrane base material by a radiation graft polymerization method.
- 17.(New) The filter cartridge of claim 15, wherein the fiber base material is a woven fabric or a non-woven fabric.
- 18.(New) The filter cartridge of claim 15, wherein the ion exchange group is selected from a sulfonic acid group, a phosphoric acid group, a carboxyl group, a quaternary ammonium group, and a primary, secondary or tertiary lower amino group, and the chelate group is selected from an iminodiethanol group, an iminodiacetic acid group, a dithiocarbamic acid group and a thiourea group.
- 19.(New) A filter cartridge comprising a fiber membrane material obtained by introducing ion exchange groups and/or chelate groups into an organic polymer fiber membrane base material, and a micro porous membrane material.
- 20.(New) A filter cartridge comprising a fiber membrane material obtained by introducing ion exchange groups and/or chelate groups into an organic polymer fiber

membrane base material, and a micro porous membrane material obtained by introducing hydrophilic groups into an organic porous membrane base material.

- 21.(New) The filter cartridge of claim 19, wherein a polymer side chain having ion exchange groups and/or chelate groups is introduced on the main chain of the organic polymer fiber membrane base material by the radiation graft polymerization method.
- 22.(New) The filter cartridge of claim 19, wherein the fiber base material is a woven fabric or a non-woven fabric.
- 23.(New) The filter cartridge of claim 19, wherein the organic polymer fiber membrane base material has an average fiber diameter of 0.1 μ m to 50 μ m and an average pore size of 0.1 μ m to 100 μ m.
- 24.(New) The filter cartridge of claim 23, wherein the organic polymer fiber membrane base material has an average fiber diameter of 0.1 μ m to 20 μ m and an average pore size of 1 μ m to 20 μ m.
- 25.(New) The filter cartridge of claim 19, wherein the ion exchange group is a cation exchange group selected from a sulfonic acid group, a phosphoric acid group and a carboxyl group or an anion exchange group selected from a quaternary ammonium group and a primary, secondary or tertiary lower amino group, and the chelate group is selected from an iminodiethanol group, an iminodiacetic acid group, a dithiocarbamic acid group and a thiourea group, and the hydrophilic group is an ionic hydrophilic group selected from a sulfonic acid group, a phosphoric acid group, a carboxyl group, a quaternary ammonium group, a tertiary amino group, a secondary amino group and a primary amino group or a nonionic hydrophilic group selected from an amide group and a hydroxyl group.

- 26.(New) The filter cartridge of claim 19, wherein the average pore size of the micro porous membrane is $0.02 \ \mu m$ to $1.0 \ \mu m$.
- 27.(New) The filter cartridge of claim 26, wherein the average pore size of the micro porous membrane is $0.02 \ \mu m$ to $0.5 \ \mu m$.
- 28.(New) The filter cartridge of claim 20, wherein a polymer side chain having ion exchange groups and/or chelate groups is introduced on the main chain of the organic polymer fiber membrane base material by the radiation graft polymerization method.
- 29.(New) The filter cartridge of claim 20, wherein the fiber base material is a woven fabric or a non-woven fabric.
- 30.(New) The filter cartridge of claim 20, wherein the organic polymer fiber membrane base material has an average fiber diameter of 0.1 μ m to 50 μ m and an average pore size of 0.1 μ m to 100 μ m.
- 31(New) The filter cartridge of claim 30, wherein the organic polymer fiber membrane base material has an average fiber diameter of 0.1 μ m to 20 μ m and an average pore size of 1 μ m to 20 μ m.
- 32.(New) The filter cartridge of claim 20, wherein the ion exchange group is a cation exchange group selected from a sulfonic acid group, a phosphoric acid group and a carboxyl group or an anion exchange group selected from a quaternary ammonium group and a primary, secondary or tertiary lower amino group, and the chelate group is selected from an iminodiethanol group, an iminodiacetic acid group, a dithiocarbamic acid group and a thiourea group, and the hydrophilic group is an ionic hydrophilic group selected from a sulfonic acid group, a phosphoric acid group, a carboxyl group, a quaternary ammonium

group, a tertiary amino group, a secondary amino group and a primary amino group or a nonionic hydrophilic group selected from an amide group and a hydroxyl group.

- 33.(New) The filter cartridge of claim 20, wherein the average pore size of the micro porous membrane is $0.02 \, \mu m$ to $1.0 \, \mu m$.
- 34.(New) The filter cartridge of claim 33, wherein the average pore size of the micro porous membrane is $0.02 \ \mu m$ to $0.5 \ \mu m$.
- 35.(New) A system for feeding water or a chemical to a microelectronics device fabrication process characterized in that a filter cartridge of claim 15 is incorporated into a water or chemical feed line to the microelectronics device fabrication process.
- 36.(New) A system for feeding water or a chemical to a microelectronics device fabrication process characterized in that a filter cartridge of claim 19 is incorporated into a water or chemical feed line to the microelectronics device fabrication process.
- 37.(New) A system for feeding water or a chemical to a microelectronics device fabrication process characterized in that a filter cartridge of claim 20 is incorporated into a water or chemical feed line to the microelectronics device fabrication process.